

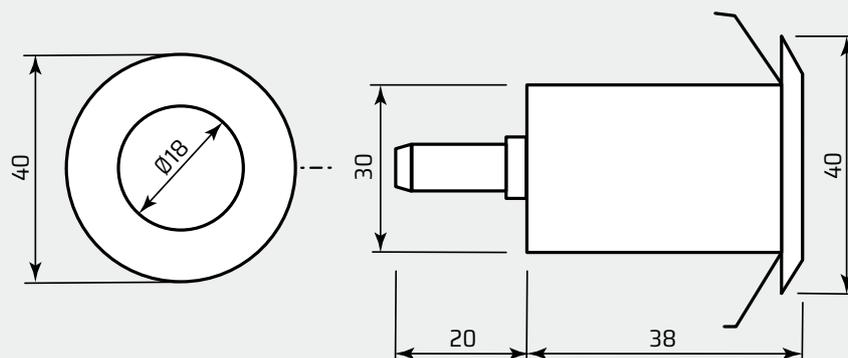
ATOM FL LED



IP20
IP65



ATOM FL is a high efficiency recessed LED luminaire designed for emergency lighting installed inside buildings. Its main task is to illuminate escape routes, evacuation signs, rooms in public facilities, work places, etc.



LUMINAIRE FEATURES

- LED indicators signalling the luminaire state
- Deep discharge battery protection
- Maintained/non-maintained,switched maintained or night (hotel) operation mode
- Possibility of connecting to the monitoring system or collective power supply system
- A lot of mounting types
- Housing is made of aluminum, lamp shade of PMMA
- Round (RND) and square (SQR) light sources available

TECHNICAL DATA

Supply voltage	AT, CT	230V AC 50/60Hz
	CB	230V AC 50/60Hz 80-275V DC
	CBAM	230V AC 50/60Hz 170-275V DC
	LVAM	8-32V DC
Protection class	AT, CT, CB, CBAM	I
	LVAM	III
Ingress protection		IP20, IP65
Light source		LED module ¹⁾
Light colour temperature		5700K
Light source supply power		2W

Minimum luminous flux		185lm
Light source lifespan		> 50 000h
Battery type		Ni-Cd, Ni-MH
Battery capacity		1,0; 1,6; 2,5Ah
Battery charging time		< 24h
Emergency operation time		1h, 2h, 3h
Ambient temperature	AT, CT	+5 - +35°C; TE: ²⁾ -20 - +35°C
	CB, CBAM	-10 - +45°C; TE: ²⁾ -25 - +50°C
	LVAM	-25 - +55°C
Supply cable cross-section area		0,5 - 1,5mm ²

¹⁾ Non-exchangeable, but serviceable light source

AVAILABLE SYSTEMS

AUTOTEST - (AT) internal components, battery and light source tests being performed automatically

CENTRALTEST - (CT) internal components, battery and light source tests being performed on command from the main unit of central management system

CB - luminaire supplied from HVCBS (230V AC / 216V DC / 108V DC), without address module

CBAM - luminaire supplied from the HVCBS (230V AC / 216V DC), with built-in address module

LVAM - luminaire supplied with 24V DC from the LVDBS system, with built-in address module

MATERIAL

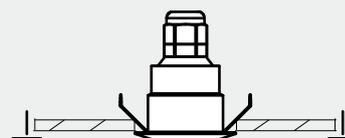
Light source housing material - aluminum

Light source housing colour - ○ RAL 9003,
○ brushed aluminum, other colours on special order

Lamp shade material - PMMA

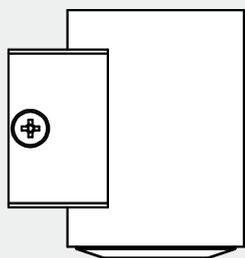
MOUNTING TYPE

Directly to the modular or suspended ceiling

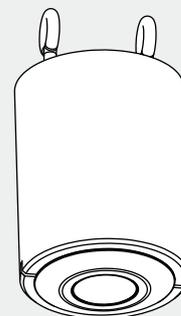


MOUNTING KITS

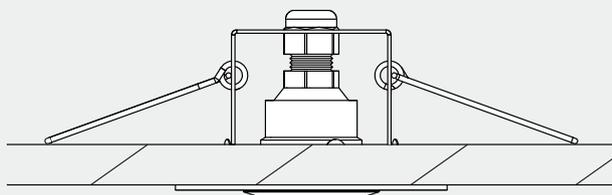
W130 - luminaires are mounted to the wall



C111 - luminaires are suspended using cords or chains (ordered separately)



C107 - luminaires are mounted to the non-modular suspended ceiling



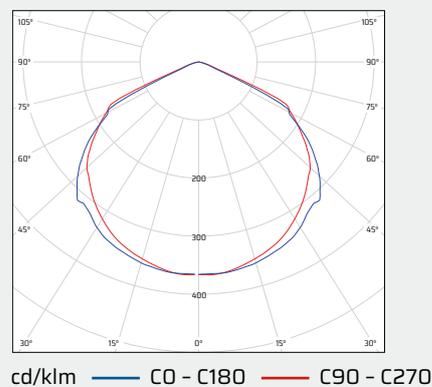
DISTANCE TABLE

Table for open area lighting

2W

‡ [m]	‡ ↔ 0	0 ↔ 0
2	3,5	7,4
2,5	4,0	8,9
3	4,2	10,1
3,5	4,5	11,1
4	4,7	11,7
4,5	4,9	12,2
5	5,0	12,7
5,5	5,1	13,2
6	5,0	13,6
6,5	5,0	13,9
7	4,9	14,1
7,5	4,8	14,2
8	4,6	14,2
8,5	4,3	14,1
9	4,0	14,1
9,5	3,6	13,9
10	3,1	13,7
10,5	2,5	13,4
11	1,8	13,1

LIGHT DISTRIBUTION CURVE



The distance table for open area lighting is based on the following parameters:

- Maintenance factor: 0,77
- Minimum illuminance at the floor level: 0,50 lx
- Diversity on the centre line max.: 40:1

LEGEND:

‡ - luminaire mounting height; ‡ ↔ 0 - distance between the wall and the luminaire; 0 ↔ 0 - distance between the luminaires

ORDERING

	ATOM FL LED	0000	- EN	- AT	- 3h	- NM	- TS	- CW	- L025	- IP20	- 9003	- FT	- RND
Variant:													
0000 – base variant													
0001 – extended warranty variant													
System variant:													
AT – autotest													
CT – centraltest													
CB – centrally supplied luminaire													
CBAM – centrally supplied luminaire, with address module													
LVAM – centrally low voltage supplied luminaire, with address module													
Emergency operation time:													
1h – emergency operation time of 60 minutes													
3h – emergency operation time of 180 minutes													
X – not applicable (CB, CBAM, LVAM)													
Operation modes:													
NM – non-maintained													
SM – switched maintained													
N – night (available only for CT operation mode)													
X – not applicable (CB, CBAM, LVAM)													
Ambient temperature range:													
TS – standard ambient temperature range													
TE – extended ambient temperature range													
The distance between the light source and the power module:													
L015 – 15cm of cable length (standard for IP20)													
L025 – 25cm of cable length (standard for IP65)													
L030 – 30cm of cable length													
...													
L100 – 100cm of cable length													
Ingress protection of power module:													
IP20 – IP20 ingress protection													
IP65 – IP65 ingress protection													
Light source housing colour:													
9003 – <input type="radio"/> RAL 9003													
BAL – <input type="radio"/> brushed aluminum													
... – other on special order													
Surface finish:													
FT – fine texture													
X – not applicable (BAL)													
Light source shape:													
RND – round													
SQR – square													